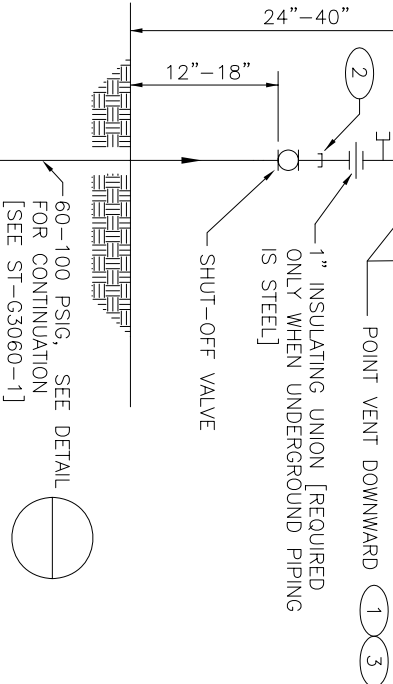


1" REGULATOR, FISHER 627R  
OUTLET PRESSURE: 20 PSIG  
ORIFICE SIZE: [ ]  
SPRING NO: 10B3077-X012 (GREEN)

1" REGULATOR, FISHER HSR.  
OUTLET PRESSURE:[7" WC] [1 PSIG] [2 PSIG]  
ORIFICE SIZE: [ ]  
SPRING NO: [ ]

1/4" NPT PETE'S PLUG W/THREADOILET  
WELDED TO PIPING - 3 PLACES

[ ] SCFH DESIGN FLOW TO  
BUILDING. SLEEVE AND SEAL  
PENETRATION W/MASTIC. USE  
UL/FM APPROVED MASTIC FOR  
FIRE WALL.



## GAS REGULATOR STATION DETAIL

SCALE: NONE

### NOTES FOR DESIGNER:

(DO NOT INCLUDE ON CONSTRUCTION DRAWINGS)

- SEE SHEET 5.

DRAWING DEVELOPED FOR ML-3  
PROJECTS. FOR ML-1/ML-2,  
ADDITIONAL REQUIREMENTS AND  
QA REVIEWS ARE REQUIRED.  
(REMOVE THIS NOTE WHEN IN-  
SERIED INTO A DRAWING PACK-  
AGE).

### KEYED NOTES:

- LANL'S SUPPORT SERVICES SUBCONTRACTOR (SSS) WILL FURNISH, INSTALL, AND ADJUST PRESSURE OF GAS REGULATORS.
- CONTRACTOR SHALL TERMINATE PIPING WITH A THREADED CAP OR PLUG AND ALLOW SUFFICIENT HORIZONTAL SPACE, 5-10 FEET, BETWEEN TERMINATION POINTS FOR INSTALLATION OF REGULATOR STATION.
- LOCATE REGULATORS NOT LESS THAN 10 FEET HORIZONTALLY FROM INTAKE AIR DEVICES (LOUVERS, FANS, ETC).
- BOND ABOVE GROUND PIPING TO ELECTRICAL GROUNDING SYSTEM. BOND TO GAS PIPING AT SUITABLE LOCATION DOWNSTREAM OF LOW PRESSURE REGULATOR AND UPSTREAM OF GAS APPLIANCE SHUT-OFF VALVE. COMPLY WITH NEC.
- BOND GAS PIPING LOCATED WITHIN 6 FEET OF A LIGHTNING PROTECTION CONDUCTOR TO THE CONDUCTOR PER NFPA 780. BOND TO GAS PIPING AT SUITABLE EXTERIOR LOCATION DOWN-STREAM OF LOW PRESSURE REGULATOR.

OUTLET PRESSURE	REGULATOR MAX. CAPACITY (SCFH) AT 0.6 S.G.	ORIFICE SIZE	SPRING NUMBER
FISHER REGULATOR HSR (CAPACITIES BASED ON 20 PSIG INLET PRESSURE)			
7" WC	530 1200 1810	1/8 3/16 1/4	T14399T0012 (YELLOW)
1 PSIG	510 1020 1490	1/8 3/16 1/4	T14402T0012 (PINK)
2 PSIG	410 740 1040	1/8 3/16 1/4	T14403T0012 (LT. BLUE)

FISHER REGULATOR 627R (CAPACITIES BASED ON 60 PSIG INLET PRESSURE)			
20 PSIG	640 1170 2630	3/32 1/8 3/16	10B3077-X012 (GREEN)

ADTS - ENGINEERING DIVISION											
ENGINEERING STANDARDS MANUAL											
BLDG X GAS REGULATOR STATION DETAIL TWO STAGE, LOW FLOW				TIA-X APPROVED FOR RELEASE				SHEET			
DISCIPLINE: E. MCH				STANDARDS MANAGER: JOHN ORICH				DATE: 6-28-99			
DESIGN: J. JONAS				CHECKED: M. SIMPSON				DATE: 6-28-99			
DESIGN: J. JONAS				CHECKED: M. SIMPSON				DATE: 6-28-99			
DESIGN: J. JONAS				CHECKED: M. SIMPSON				DATE: 6-28-99			

Los Alamos NATIONAL LABORATORY				PROJECT ID: CHAPTER 3				ST-G3060-2			
PROJECT ID: CHAPTER 3				DRAWING NO: ST-G3060-2				REV: 3			
CLASSIFICATION: U				REVIEWER: LARRY BAYS				DATE: 6-28-99			
SUBMITTED: 6-28-99				APPROVED FOR RELEASE: 6-28-99				SHEET: 1			
DISCIPLINE: E. MCH				STANDARDS MANAGER: JOHN ORICH				DATE: 6-28-99			